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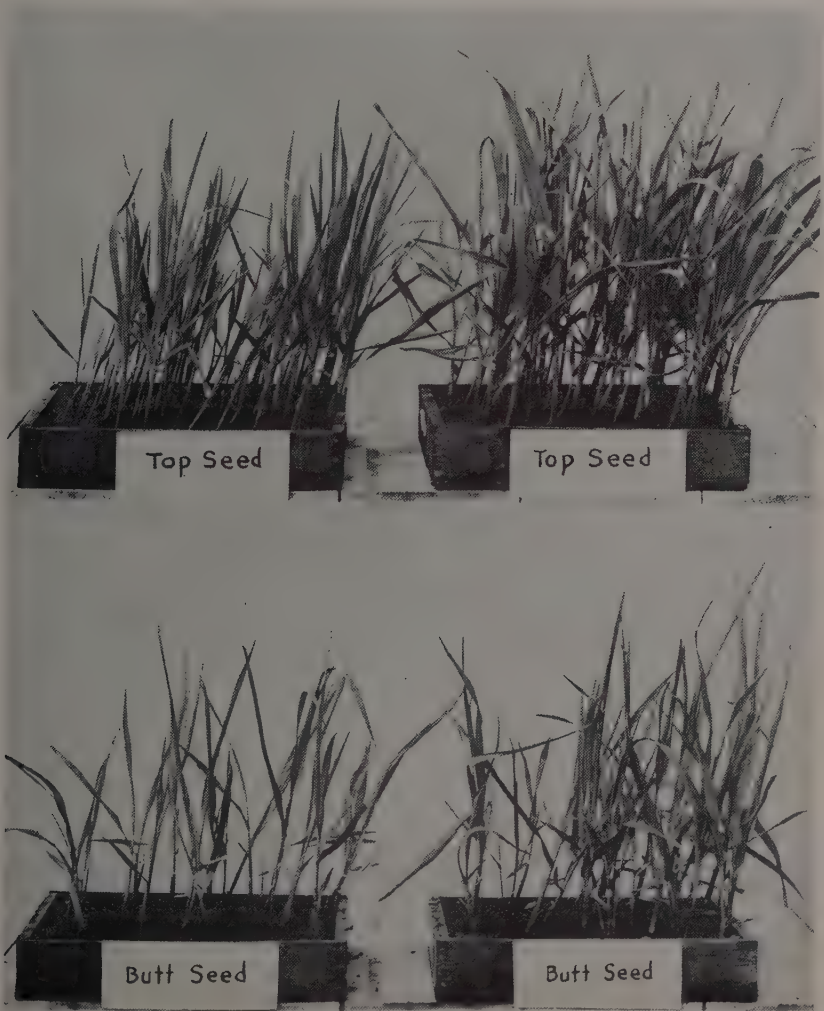
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ILLUSTRATIONS APPEARING ON THE COVERS OF
VOLUME XLIV

FIRST QUARTER



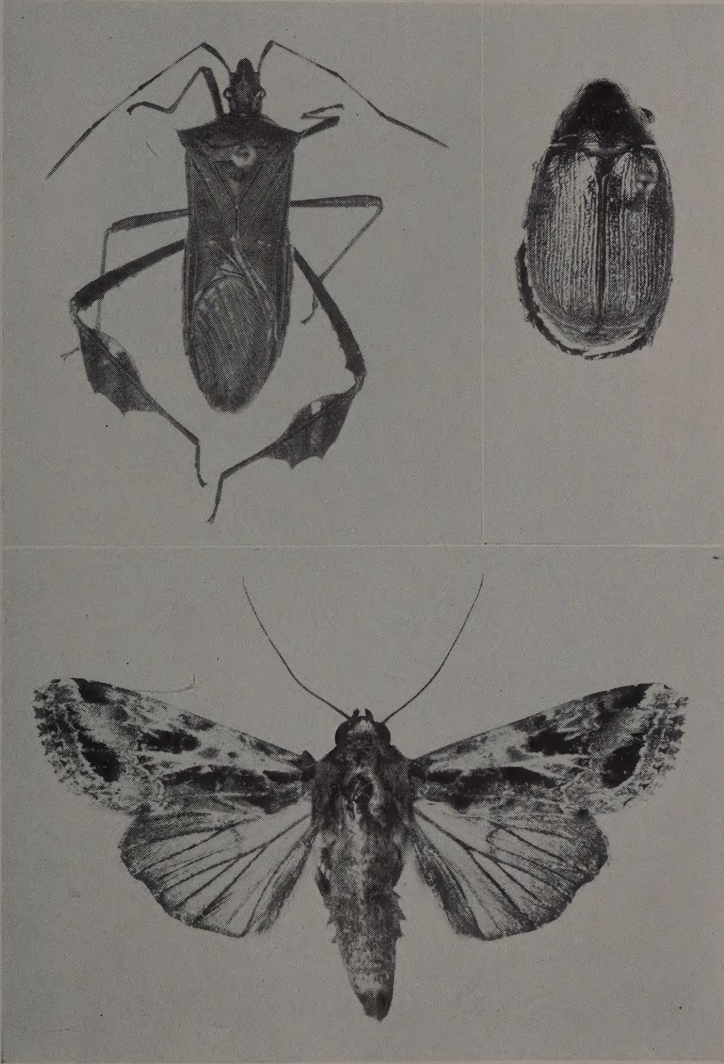
Seed pieces cut from 13-month 31-1389 cane, that had been fertilized with nitrogen 2 weeks previously, produced a faster and a superior growth (at right) to those from unfertilized but otherwise comparable seed (at left).

SECOND QUARTER



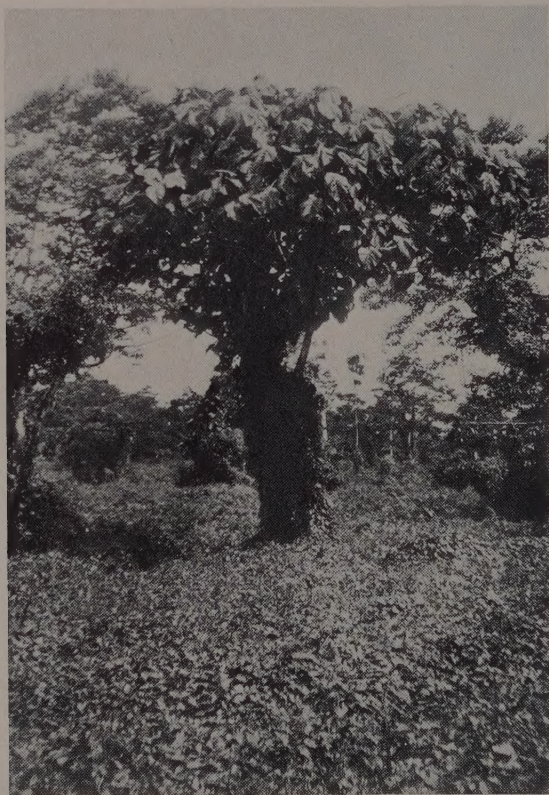
Black Widow spider parasite recently introduced into Hawaii from California and distributed throughout the Territory (greatly enlarged).

THIRD QUARTER



The Midway quarantine service, operated by the H.S.P.A., is protecting Hawaiian agriculture against these Guam insect pests which could easily reach here alive in trans-Pacific airplanes.

FOURTH QUARTER



The weed pest, *Mikania micrantha*, covering the ground and climbing into a large *lau pata* tree in the lower forest zone behind Safune, Savaii, at an elevation of about 1,700 feet. (Photograph by E. H. Bryan, Jr., courtesy Bernice P. Bishop Museum.)

